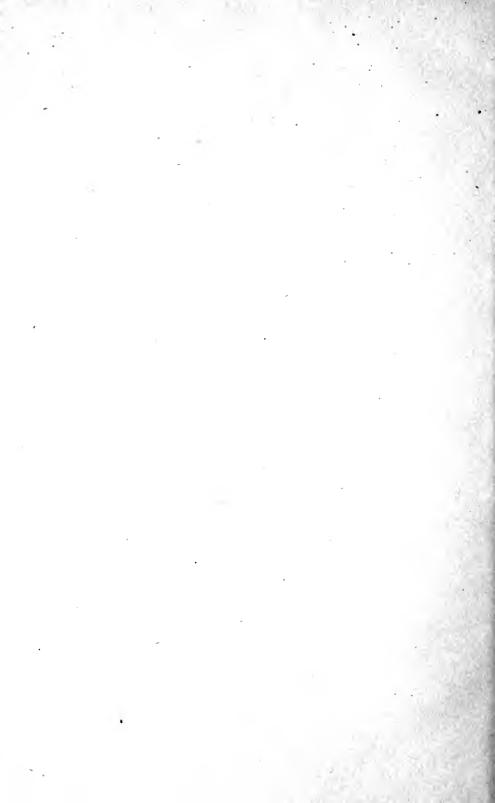
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Industrial and Homemaking Subjects for Girls

TREVA E. KAUFFMAN
—and—
OAKLEY FURNEY





THE ORGANIZATION AND TEACHING OF INDUSTRIAL AND HOMEMAKING SUBJECTS IN PART-TIME OR CONTINUATION SCHOOLS

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AND

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CREDIT.

In presenting this monograph the authors wish to give due credit for valuable suggestions, material and criticisms to—

TX 165

MISS ADELAIDE BAYLOR
Federal Board for Vocational Education

C. L. KULP

Director of Industrial Arts

Ithaca, N. Y.

Washington, D. C.

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THE ORGANIZATION AND TEACHING OF INDUSTRIAL AND HOMEMAKING SUBJECTS FOR GIRLS IN PART-

TIME OR CONTINUATION SCHOOLS

The Problem

There is a social, economic and educational justification for part-time or continuation schools of compulsory character operated for the benefit of employed youths. It remains the problem however for those engaged in the work of organizing and of teaching in such schools to so plan instruction and instructional material that the purposes of this new educational institution may be realized.

The courses which by common consent seem to be essential to the satisfactory accomplishment of the aims and objectives of the program are as

follows:

()

1 industrial courses for boys

2 commercial courses for boys and girls

3 industrial courses for girls4 homemaking courses for girls

5 agricultural courses

6 general continuation courses

This monograph is concerned primarily with the organization and teaching of industrial and homemaking courses for girls.

Occupational Courses for Girls

The greatest contribution which the part-time school can make to the needs of employed girls is in terms of occupational training. It is obvious that such training should be closely related to the occupations in which girls and women are engaged. Consequently in the planning of courses due consideration must be given to (1) the immediate needs of employed girls from the standpoint of work and wage earning and (2) the future needs of such girls. That is, the instruction must be adjusted to help them in their present occupations and to guide them towards and prepare them for possible future occupations of desirable character.

It is not difficult to determine the occupations in which girls and women are engaged. The United States Census report for 1920 shows the following to be the principal occupations in which they are engaged in the State of New York. The same sort of facts can be ascertained for any community by the making of a simple survey of the place, and for many communities

may be obtained directly from the census report.

Principal Occupations of Females 10 Years of Age and Over Gainfully Employed in the State of New York in 1920 (and 1910)

1920 1910			
Actors and show men. 5,635 4,432 Agents and collectors 2,242 983 Artists, sculptors and teachers of art. 3,483 2,827 Barbers, hairdressers and manicurists 5,080 5,049 Bookeepers, cashiers and accountants 60,424 33,603 Clerks, except clerks in stores. 21,050 16,757 Compositors, linotypers and typesetters 1,305 1,426 Designers, draftsmen and inventors. 3,161 1,326 Dressmakers, seamstresses (not in factories). 37,849 68,082 Farmers—general farms. 4,693 6,187 Farm laborers (home or working out) 1,720 4,444 Foreman and overseers, manufacturers. 7,060 5,095 Househeepers and stewards. 23,799 20,648 Janitors and sextons. 10,460 19,988 Laborers, porters and helpers in stores. 1,198 859 Launderers and superintendents, manufacturing. 1,151 359 Manufacturers and officials. 1,698 1,125 Messengers, bundle and office girls.		1920	1910
Actors and show men. 5,635 4,432 Agents and collectors 2,242 983 Artists, sculptors and teachers of art. 3,483 2,827 Barbers, hairdressers and manicurists 5,080 5,049 Bookeepers, cashiers and accountants 60,424 33,603 Clerks, except clerks in stores. 21,050 16,757 Compositors, linotypers and typesetters 1,305 1,426 Designers, draftsmen and inventors. 3,161 1,326 Dressmakers, seamstresses (not in factories). 37,849 68,082 Farmers—general farms. 4,693 6,187 Farm laborers (home or working out) 1,720 4,444 Foreman and overseers, manufacturers. 7,060 5,095 Househeepers and stewards. 23,799 20,648 Janitors and sextons. 10,460 19,988 Laborers, porters and helpers in stores. 1,198 859 Launderers and superintendents, manufacturing. 1,151 359 Manufacturers and officials. 1,698 1,125 Messengers, bundle and office girls.	All occupations	1,135,246	983,686
Artists, sculptors and teachers of art. 3,483 2,827 Barbers, hairdressers and manicurists 5,080 5,049 Bookeepers, cashiers and accountants 60,424 33,603 Clerks, except clerks in stores 95,208 27,191 Clerks in stores 21,050 16,757 Compositors, linotypers and typesetters 1,305 1,426 Designers, draftsmen and inventors 3,161 1,336 Designers, draftsmen and inventors 37,849 68,082 Farmers—general farms 4,693 6,187 Farm laborers (home or working out) 1,720 4,444 Foreman and overseers, manufacturers 7,060 5,095 Housekeepers and stewards 23,799 20,648 Janitors and sextons 10,460 19,988 Laborers, porters and helpers in stores 1,198 859 Launderers and superintendents, manufacturing 1,151 359 Manufacturers and officials 1,698 1,125 Messengers, bundle and office girls 1,93 3,128 Midwives and nurses (not trained) 20,81		5,635	
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Bookeepers, cashiers and accountants 60,424 33,603 Clerks, except clerks in stores 95,208 27,191 Clerks in stores 21,050 16,757 Compositors, linotypers and typesetters 1,305 1,426 Designers, draftsmen and inventors 3,161 1,326 Dressmakers, seamstresses (not in factories) 37,849 68,082 Farmers—general farms 4,693 6,187 Farm balorers (home or working out) 1,720 4,444 Foreman and overseers, manufacturers 7,060 5,095 Housekeepers and stewards 23,799 20,648 Janitors and sextons 10,460 19,988 Laborers, porters and helpers in stores 1,198 859 Launderers and laundresses (not in laundries) 20,574 32,465 Managers and superintendents, manufacturing 1,511 359 Messengers, bundle and officials 1,698 1,125 Messengers, bundle and office girls 1,993 3,128 Miscians and teachers of music 9,547 10,814 Restaurant keepers 1,60	Artists, sculptors and teachers of art	3,483	2,827
Clerks, except clerks in stores. 95,208 27,191 Clerks in stores 21,050 16,757 Compositors, linotypers and typesetters. 1,305 1,426 Designers, draftsmen and inventors. 3,161 1,326 Dressmakers, seamstresses (not in factories). 37,849 68,082 Farmers—general farms. 4,693 6,187 Farm laborers (home or working out) 1,720 4,444 Foreman and overseers, manufacturers 7,060 5,095 Housekeepers and siewards. 23,799 20,648 Janitors and sextons. 10,460 19,988 Laborers, porters and helpers in stores. 1,198 859 Launderers and laundresses (not in laundries). 20,574 32,465 Managers and superintendents, manufacturing. 1,151 359 Messengers, bundle and officials. 1,698 1,125 Messengers, bundle and office girls. 1,993 3,128 Miscians and teachers of music. 9,547 10,814 Restaurant keepers. 1,606 1,066 Retail dealers. 11,689		5,080	5,049
Clerks, except clerks in stores. 95,208 27,191 Clerks in stores. 21,050 16,757 Compositors, linotypers and typesetters. 1,305 1,426 Designers, draftsmen and inventors. 3,161 1,326 Dressmakers, seamstresses (not in factories). 37,849 68,082 Farmers—general farms. 4,693 6,187 Farm laborers (home or working out) 1,720 4,444 Foreman and overseers, manufacturers 7,060 5,095 Housekeepers and stewards. 23,799 20,648 Janitors and sextons. 10,460 19,988 Laborers, porters and helpers in stores. 1,198 859 Launderers and laundresses (not in laundries). 20,574 32,465 Managers and superintendents, manufacturing. 1,151 359 Messengers, bundle and officials. 1,698 1,125 Messengers, bundle and office girls. 1,993 3,128 Miscicans and teachers of music. 9,547 10,814 Restaurant keepers. 1,606 1,066 Retail dealers. 11,698	Bookeepers, cashiers and accountants	60,424	33,603
Compositors, linotypers and typesetters 1,305 1,426 Designers, draftsmen and inventors 3,161 1,326 Dressmakers, seamstresses (not in factories) 37,849 68,082 Farmers—general farms 4,693 6,187 Farm laborers (home or working out) 1,720 4,444 Foreman and overseers, manufacturers 7,060 5,095 Househeepers and stewards 23,799 20,648 Janitors and sextons 10,460 19,988 Laborers, porters and helpers in stores 1,198 859 Launderers and superintendents, manufacturing 1,151 359 Managers and superintendents, manufacturing 1,151 359 Manufacturers and officials 1,698 1,125 Messengers, bundle and office girls 1,993 3,128 Midwives and nurses (not trained) 20,811 19,539 Musicians and teachers of music 9,547 10,814 Restaurant keepers 1,606 1,066 Retail dealers 11,689 11,726 Saleswomen 44,273 41,287		95,208	
Designers, draftsmen and inventors. 3,161 1,326 Dressmakers, seamstresses (not in factories). 37,849 68,082 Farmers—general farms. 4,693 6,187 Farm laborers (home or working out) 1,720 4,444 Foreman and overseers, manufacturers 7,060 5,095 Housekeepers and stewards 23,799 20,648 Janitors and sextons 10,460 19,988 Laborers, porters and helpers in stores 1,198 859 Launderers and laundresses (not in laundries) 20,574 32,465 Managers and superintendents, manufacturing 1,151 359 Manufacturers and officials 1,698 1,125 Messengers, bundle and office girls 1,993 3,128 Midwives and nurses (not trained) 20,811 19,539 Musicians and teachers of music 9,547 10,814 Restaurant keepers 1,606 1,606 Retail dealers 1,606 1,606 Semiskilled operatives, cigar and tobacco 1,606 1,606 Semiskilled operatives, shirt, collar and cuff 6,207 6,207 1,7919 1,7919 <tr< td=""><td>Clerks in stores</td><td>21,050</td><td>16,757</td></tr<>	Clerks in stores	21,050	16,757
Designers, draftsmen and inventors. 3,161 1,326 Dressmakers, seamstresses (not in factories). 37,849 68,082 Farmers—general farms. 4,693 6,187 Farm laborers (home or working out) 1,720 4,444 Foreman and overseers, manufacturers 7,060 5,095 Housekeepers and stewards 23,799 20,648 Janitors and sextons 10,460 19,988 Laborers, porters and helpers in stores 1,198 859 Launderers and laundresses (not in laundries) 20,574 32,465 Managers and superintendents, manufacturing 1,151 359 Manufacturers and officials 1,698 1,125 Messengers, bundle and office girls 1,993 3,128 Midwives and nurses (not trained) 20,811 19,539 Musicians and teachers of music 9,547 10,814 Restaurant keepers 1,606 1,606 Retail dealers 1,606 1,606 Semiskilled operatives, cigar and tobacco 1,606 1,606 Semiskilled operatives, shirt, collar and cuff 6,207 6,207 1,7919 1,7919 <tr< td=""><td>Compositors, linotypers and typesetters</td><td>1,305</td><td>1,426</td></tr<>	Compositors, linotypers and typesetters	1,305	1,426
Dressmakers, seamstresses (not in factories)	Designers, draftsmen and inventors		
Farmers—general farms 4,693 6,187 Farm laborers (home or working out) 1,720 4,444 Foreman and overseers, manufacturers 7,060 5,095 Housekeepers and stewards 23,799 20,648 Janitors and sextons 10,460 19,988 Laborers, porters and helpers in stores 1,198 859 Launderers and laundresses (not in laundries) 20,574 32,465 Managers and superintendents, manufacturing 1,151 359 Manufacturers and officials 1,698 1,125 Messengers, bundle and office girls 1,993 3,128 Midwives and nurses (not trained) 20,811 19,539 Musicians and teachers of music 9,547 10,814 Restaurant keepers 1,606 1,066 Retail dealers 11,689 11,726 Saleswomen 9,036 11,786 Semiskilled operatives, cigar and tobacco 44,273 41,287 Semiskilled operatives, printing and publishing 8,991 8,722 Semiskilled operatives, shirt, collar and cuff 17,919 not available Semiskilled operatives, shoe factories	Dressmakers, seamstresses (not in factories)	37,849	
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Housekeepers and stewards	Farm laborers (home or working out)	1,720	
Housekeepers and stewards	Foreman and overseers, manufacturers	7,060	5,095
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Launderers and laundresses (not in laundries) Managers and superintendents, manufacturing. Manufacturers and officials. Messengers, bundle and office girls. Midwives and nurses (not trained). Musicians and teachers of music. Restaurant keepers. Semiskilled operatives, cigar and tobacco factories. Semiskilled operatives, knitting mills. Semiskilled operatives, printing and publishing. Semiskilled operatives, shoe factories. 17,919 not available 18,089 not available 18,08	Laborers, porters and helpers in stores		
Managers and superintendents, manufacturing. 1,151 359 Manufacturers and officials. 1,698 1,125 Messengers, bundle and office girls. 1,993 3,128 Midwives and nurses (not trained). 20,811 19,539 Musicians and teachers of music. 9,547 10,814 Restaurant keepers. 1,606 1,066 Retail dealers. 11,689 11,726 Saleswomen. 44,273 41,287 Semiskilled operatives, cigar and tobacco factories. 9,036 11,786 Semiskilled operatives, knitting mills. 14,828 not available Semiskilled operatives, shirt, collar and cuff factories. 8,991 8,722 Semiskilled operatives, shoe factories. 8,734 5,460 Semiskilled operatives, suit, cloak, coats and overall factories. 18,089 not available Servants and waiters. 151,456 198,970 Stenographers and typists. 103,721 49,281 Tailors and tailoresses. 7,611 11,254 Teachers, school. 63,637 50,793 Telephone operators. 29,004 12,154	Launderers and laundresses (not in laundries)		32,465
Manufacturers and officials 1,698 1,125 Messengers, bundle and office girls 1,993 3,128 Midwives and nurses (not trained) 20,811 19,539 Musicians and teachers of music 9,547 10,814 Restaurant keepers 1,606 1,066 Retail dealers 11,689 11,726 Saleswomen 44,273 41,287 Semiskilled operatives, cigar and tobacco 9,036 11,786 Semiskilled operatives, knitting mills 14,828 not available Semiskilled operatives, shirt, collar and cuff 8,991 8,722 Semiskilled operatives, short, collar and cuff 17,919 not available Semiskilled operatives, suit, cloak, coats and 8,734 5,460 Semiskilled operatives, suit, cloak, coats and 18,089 not available Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154			
Messengers, bundle and office girls 1,993 3,128 Midwives and nurses (not trained) 20,811 19,539 Musicians and teachers of music 9,547 10,814 Restaurant keepers 1,606 1,066 Retail dealers 11,689 11,726 Saleswomen 44,273 41,287 Semiskilled operatives, cigar and tobacco 9,036 11,786 Semiskilled operatives, knitting mills 14,828 not available Semiskilled operatives, printing and publishing 8,991 8,722 Semiskilled operatives, shirt, collar and cuff 17,919 not available Semiskilled operatives, shoe factories 8,734 5,460 Semiskilled operatives, suit, cloak, coats and 18,089 not available Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	Manufacturers and officials		
Midwives and nurses (not trained) 20,811 19,539 Musicians and teachers of music 9,547 10,814 Restaurant keepers 1,606 1,066 Retail dealers 11,689 11,726 Saleswomen 44,273 41,287 Semiskilled operatives, cigar and tobacco factories 9,036 11,786 Semiskilled operatives, knitting mills 14,828 not available Semiskilled operatives, shirt, collar and cuff factories 8,991 8,722 Semiskilled operatives, shore factories 8,734 5,460 Semiskilled operatives, suit, cloak, coats and overall factories 18,089 not available Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154			
Musicians and teachers of music 9,547 10,814 Restaurant keepers 1,606 1,066 Retail dealers 11,689 11,726 Saleswomen 44,273 41,287 Semiskilled operatives, cigar and tobacco factories 9,036 11,786 Semiskilled operatives, knitting mills 14,828 not available Semiskilled operatives, shirt, collar and cuff factories 8,991 8,722 Semiskilled operatives, shoe factories 8,734 5,460 Semiskilled operatives, suit, cloak, coats and overall factories 18,089 not available Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	Midwives and nurses (not trained)		
Restaurant keepers 1,606 1,066 Retail dealers 11,689 11,726 Saleswomen 44,273 41,287 Semiskilled operatives, cigar and tobacco factories 9,036 11,786 Semiskilled operatives, knitting mills 14,828 not available Semiskilled operatives, shirt, collar and cuff factories 8,991 8,722 Semiskilled operatives, short, collar and cuff factories 8,734 5,460 Semiskilled operatives, suit, cloak, coats and overall factories 18,089 not available Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	Musicians and teachers of music		
Retail dealers 11,689 11,726 Saleswomen 44,273 41,287 Semiskilled operatives, cigar and tobacco factories 9,036 11,786 Semiskilled operatives, knitting mills 14,828 not available Semiskilled operatives, printing and publishing 8,991 8,722 Semiskilled operatives, shirt, collar and cuff factories 17,919 not available Semiskilled operatives, shoe factories 8,734 5,460 Semiskilled operatives, suit, cloak, coats and overall factories 18,089 not available Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154			
Saleswomen. 44,273 41,287 Semiskilled operatives, cigar and tobacco factories. 9,036 11,786 Semiskilled operatives, knitting mills 14,828 not available Semiskilled operatives, printing and publishing 8,991 8,722 Semiskilled operatives, shirt, collar and cuff factories 17,919 not available Semiskilled operatives, shoe factories 8,734 5,460 Semiskilled operatives, suit, cloak, coats and overall factories 18,089 not available Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	Retail dealers		
Semiskilled operatives, cigar and tobacco factories	Saleswomen		
Semiskilled operatives, knitting mills	Semiskilled operatives, cigar and tobacco	,	,,
Semiskilled operatives, knitting mills	factories	9,036	11,786
Semiskilled operatives, printing and publishing. Semiskilled operatives, shirt, collar and cuff factories	Semiskilled operatives, knitting mills	14,828	
Semiskilled operatives, shirt, collar and cuff factories17,919not availableSemiskilled operatives, shoe factories8,7345,460Semiskilled operatives, suit, cloak, coats and overall factories18,089not availableServants and waiters151,456198,970Stenographers and typists103,72149,281Tailors and tailoresses7,61111,254Teachers, school63,63750,793Telephone operators29,00412,154	Semiskilled operatives, printing and publishing.		
factories17,919not availableSemiskilled operatives, shoe factories8,7345,460Semiskilled operatives, suit, cloak, coats and overall factories18,089not availableServants and waiters151,456198,970Stenographers and typists103,72149,281Tailors and tailoresses7,61111,254Teachers, school63,63750,793Telephone operators29,00412,154		,	
Semiskilled operatives, shoe factories 8,734 5,460 Semiskilled operatives, suit, cloak, coats and overall factories 18,089 not available Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	factories	17,919	not available
Semiskilled operatives, suit, cloak, coats and overall factories 18,089 not available Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	Semiskilled operatives, shoe factories		5,460
overall factories 18,089 not available Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	Semiskilled operatives, suit, cloak, coats and		
Servants and waiters 151,456 198,970 Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	overall factories	18,089	not available
Stenographers and typists 103,721 49,281 Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	Servants and waiters		198,970
Tailors and tailoresses 7,611 11,254 Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	Stenographers and typists		
Teachers, school 63,637 50,793 Telephone operators 29,004 12,154	Tailors and tailoresses	7,611	11,254
Telephone operators	Teachers, school		
Trained nurses	Telephone operators		
	Trained nurses		

It is fair to assume that 90 percent of all women marry and so become homemakers, or in some sense responsible in part for the conduct of a home. In view of the above facts any program planned for a community which

In view of the above facts any program planned for a community which had an occupational distribution similar to that revealed by the above grouping of the employed women in the State of New York which did not provide courses related to the indicated occupations would hardly be effective.

Some of the inclusive and branchisting courses which the property of the course of the

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Some of the industrial and homemaking courses which should be provided to meet the needs of women in the State of New York are as follows:

Homemaking

Hair dressing and manicuring Composition and typesetting

4 Designing

5 Foreman training

6 Dressmaking

7 Housekeeping and management

8 Ianitorial work

9

Laundrying—home
Textile work—knitting mills 10 11 Printing and publishing

12 Shoe making

Suit, cloak, coat and overall making 13

Serving and waiting 14

15 Tailoring

Also in view of the traditional types of work in which women are engaged and the large number of girls and women employed in certain occupations not appearing in the census enumeration given above, it would seem proper to suggest as well the inclusion of the three following courses:

2 Course for housemaids or household assistants

3 Course for nurse girls

While the occupational distribution of women will vary in various communities conclusions similar to the above can be drawn from a consideration of the occupation statistics relative to women for that community.

Objectives of Courses

The objectives of courses in industrial and homemaking subjects are well recognized and defined. They are as follows:

Homemaking

a To meet the individual needs of girls in terms of personal improvement, to the end that they may be better and more efficient workers. (Courses having this particular objective would probably be planned for the younger girls or for girls taking homemaking at the same time that they are taking industrial or commercial courses).

To meet the needs of girls as members of the family group. (Courses having this particular objective would serve girls who are at home and without outside remunerative employment but acting as assistants in the home work, or girls

who are working in homes other than their own).

c To meet the needs of the girls as future homemakers. (Courses having this objective would probably be of more interest to the older girls or those anticipating marriage).

Industrial Courses

To provide satisfactory vocational guidance instruction in terms of information relative to and of participation in occupational work.

b To prepare the girl for advantageous entrance into the field of wage earning by providing for her suitable training in

some selected occupation.

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c To equip the girl for progress and advancement in the type

of work in which she is engaged.

It is probable that nearly every course set up for girls should include some work in homemaking. Certainly every occupational course set up for girls should be supplemented by proper homemaking instruction which should have for its aim some one of the objectives which have been determined for such work. For example, girls taking a commercial course might devote three fourths of their time of attendance to practical commercial work and one fourth to homemaking. The same sort of program might be set up for girls taking industrial work. In view of the fact that all training for girls and women should include within its purview two major objectives (1) homemaking training and (2) occupational training, it is probable that all industrial, commercial and general continuation courses for girls should be supplemented by instruction in homemaking.

Preliminary Steps

Before occupational courses of any kind can be taught an analysis or inventory of the occupation must be made, a course of study formulated on the basis of the analysis, and unit lessons planned for the purpose of putting over the course of study, which lessons should also be organized in the form of unit instruction sheets that can be used to supplement and make more effective the teaching done by the instructor.

Teachers of vocational home economics have already formulated analyses of the work and functions of the homemaker. These analyses include the following separate and distinct lines of vocational, social and economic

activities:

The care of the health of the family

2 The selection, preparation and serving of food

3 The care of the house and its equipment

4 The selection and care of clothing and to some extent its construction

The care and rearing of children

6 Social and economic adjustment of the home

Any plan for homemaking education in the part-time school must include the fundamentals of these six lines.

The process of analyzing industrial occupations and organizing the courses of study will be considered later.

Courses of Study in Homemaking

The courses of study presented in this section are based upon proper analyses and have been formulated in view of the objectives set up for work in homemaking for girls in part-time schools. The first course presented has as its objective the personal inprovement of girls that they may be better and more efficient workers. This course includes the subject matter and practice which will help girls to be well and healthy, to look well, to act well, to spend their money and time intelligently and to save a little money regularly. It will not be "cooking" and "sewing" but will be a well rounded course giving the girl the essential elements of homemaking which affect her everyday life as a worker, a member of a family and of the community.

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It is so planned that it will be valuable to all girls whether they marry or not, because there is a certain body of knowledge which all women need and use in their lives whether they marry or not. The girl who has this course should be a more satisfactory employee, a more useful citizen of the community and a better member of her family.

The course which is here outlined is not to be regarded as a fixed and rigid one. No one course would be practical for all groups of girls. The needs of the girls themselves and the needs of the community will determine what should be added to this outline, what will be most stressed and

what will receive least attention.

While some of the subject matter has been separated from practice it is to be noted that some of it is directly related to practice. This is due to the fact that it is almost impossible to plan class room practice for such subjects as home life, courtesy, the teeth, the skin and selection of garments. It is therefore suggested that each teacher divide her homemaking period into two parts, one in which there will be group teaching of subject matter, and the other in which there will be actual practice. Undoubtedly all the girls will not be working on the same things at the same time in most lessons. It is well to set some time limit to the discussion period which under ordinary conditions should not exceed twenty minutes and which in many cases can be done in much less time, if the discussion is well planned.

In order to teach such subjects as the selection of garments it will be necessary to have a number of actual garments for the girls to use. It is recommended that in these cases the teacher make connections with local stores which will gladly loan for a short time things which the school is not

able to provide.

The girls should bring their own garments to school to work upon and the successful teacher will be able to bring this about. However, it will be necessary for each teacher to have a supply on hand to provide for the girl who does not do so. In most communities such material may be secured through various institutions, as hospitals and orphanages. Such institutions are glad of the help they will receive through the schools and the school is thus provided with suitable problems for the girls without cost for materials.

In planning the practice in this course teachers should keep in mind the girl's limited time and set up standards of work which are commensurate with the time she may legitimately spend. A reasonable standard, which the girl will be able to practice in her daily life, is more to be desired than

perfection in detail.

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Courses of Study

Information

- I Personal appearance
 - 1 Importance of appearance
 - 2 Study of the points which contribute to good appearance
- II The Skin
 - 1 Care
 - 2 Prevention and care of eruptions
 - 3 Care of chapped, roughened skin
 - 4 Care in excessive perspiration

III The Hair

- 1 Daily care
- 2 Styles of hair dressing; principles underlying selection of becoming styles of hair dressing
- 3 Occupational care—shampooing; prevention and care of pediculosis *

Practice (Essential)

- 1 Care and repair of clothing
 - a Knitted underwear
 - 1 Mending
 - 2 Laundering
 - b Muslin underwear
 - c Stockings
 - d Woolen skirts and dresses
 - 1 Brushing
 - 2 Stain removal
 - 3 Mending
 - 4 Cleaning of lining; shields
 - 5 Sponging
 - 6 Pressing
 - e Waists
 - 1 Mending
 - 2 Laundering

f Gloves

- 2 Planning of girl's clothing for one season
- 3 Shampooing hair
- 4 Manicuring nails
- 5 Buying garments for self
- 6 Preparation and serving of simple meals such as the girl may prepare at home
- 7 Planning of family meals

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- 1 Daily care
- 2 Manicuring

V The Teeth VI Clothing

- 1 Study of appropriate clothing
- 2 Study of small points in adjustment of clothing which tend to improve personal appearance
- 3 Cleanliness and neatness
- 4 Study of ordinary forms of ornamentation as jewelry, earrings, rouge and perfumes

VII Conservation of Clothing

- 1 Money value of her present clothing
- 2 Study of ways in which length of service of clothing may be increased; proper care; use of protectors
- 3 Possibilities of remodeling and renovating

VIII Selection of clothing

- 1 Simple laws of design applying to selection of clothing
- 2 Amount of clothing actually required
- 3 Clothing cost and budget
- 4 Making vs buying garments
- 5 Important factors in selecting ready to wear clothing:-shoes, stockings, knitted and muslin underwear, corsets, dresses, waists, outer garments and hats
- 6 Important factors in selecting ordinary materials

- 8 Planning and packing a lunch box
- 9 Planning and preparation for party
- 10 Planning of bedroom equipment
- 11 Care of bedroom
- 12 Care of toilet articles

(Other Suggested Material)

- A Preparation of simple diets, such as convalescent
- B Refreshing an old hat
- C Remodeling a waist or dress
- D Making of smock or waist
- E Making of simple dress
- F Refinishing bedroom furniture
- G Renovating corset
- H Putting winter clothing or bedding away for summer
- I Laundering of bedding, towels and bedroom furnishings
- J Making of bedding, towels, wash cloths, curtains and similar articles for bedroom
- K Bandaging sprains
- L Care of cuts, bruises, burns and sprains
- M Preparation of gift for mother
- N Buying of any new equipment for school

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IX Food

- 1 Simple study of kinds of food
- 2 Study of types of meals
- 3 Rules for selection of food from menu
- 4 Standards of cleanliness in handling food

X Home life

- 1 What is home?
- 2 Individual responsibility and co-operation in family
- 3 Responsibility of girl toward parents, brothers and sisters
- 4 Opportunities to increase happiness of family
- 5 Hospitality friends in the home

XI Her room

- 1 Study of air
- 2 Study of order, care and equipment
- 3 Time required daily
- 4 Study of ways of making it more attractive and the simple laws of design applying to home furnishing

XII Her time

- 1 Study of her time expenditures for 24 hours. What is she saving?
- 2 Recreation and social life
- 3 Time necessary at night to prepare for work of next day
- 4 What can be done before going to work

Note: Items 1 to 12 are essential. Items A to N are suggestive of material which might be given dependent upon the needs of the group.

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XIII Her money

- 1 Study of her expenses. What is she saving?
- 2 Simple rules of budget making for the individual
- 3 Family budget

XIV Care of health

- 1 Simple laws for keeping well
- 2 Simple precautions against disease at home and at work
- 3 Simple remedies for headache and constipation
- 4 Simple rules for care of sick
- 5 Emergencies

XV Courtesy

- 1 Special customs governing ordinary affairs of life
- 2 Courtesy at home, at work, in public and to friends

The second course presented has for its purpose the instruction of the girl as to her duties as a member of the family group that she may become

a more worthy and helpful member.

The approach in teaching such a course with such an aim can be successfully determined only by a tactful and sympathetic teacher. The conditions under which these girls work and the homes in which they live must be discovered by the teacher. To study the girl with a real interest in her needs must be the constant thought of the teacher. Only through follow-up visiting to the place of employment and home may the purpose of the course be realized. A survey or general study made by the teacher of the places of employment of these girls, of their homes, of the community and of the recreational facilities will aid in this work.

This course has been worked out in units. Each unit should be broken up into lessons and the teaching of the instructor may be supplemented by the use of unit instruction sheets. The subject matter has been set up on the project basis as this method of teaching offers the largest possibilities in the way of development of interest, of meeting genuine needs and of presenting broblems to be solved. Whenever this method is used it is essential that the teacher find real life problems, selected on the basis of school or community needs, for the pupils to solve. Very little class or individual instruction should be given. Interesting discussions should be developed with the various groups.

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Where the homemaking equipment such as is suggested in this monograph is used, the project method of teaching is easily carried out since the girls are organized into small groups, generally four or five in a group, and so can work out their plan. The groups should be organized by having the procedure which is to be used developed through discussions with the teacher after some reading and study of the subject.

Since nearly all the girls have some specific home duties, it is possible to work these out as home projects. The teacher can supervise this work when making her follow up visits or through conferences with the girls at Home projects must meet real needs and should be built up around

the home or occupational life of the girl.

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I Unit - Food for her family-6 lessons

Project—What should the girl know about the selection, preparation, marketing, planning and serving of food for the three daily meals which will enable her and her family to keep well and be properly nourished at a reasonable cost?

Discussion

School Project and Practice

Home Work which can be developed into Home Projects

The average American Breakfast family and different Lunch members composing a Dinner

family, their age and Supper utensils employment. Have each Packing a lunch for girl list the number of work or school or picnic. Planning and packing of different people in her Afternoon tea or re- luncheon for father, family and the wages freshments for a party mother or some other and employment of each or entertainment member of family

The marketing, plan-ing and serving of meals Care of kitchen and

nutrition standpoint. (Show food nutrition charts and have girls Visit to market or groand themselves and keep their own charts)

special dinner

Food required from the Thanksgiving or some Planning the food for a younger brother or sister

How much food is re- sible quired for the family and cost?

measure cery store

Keeping of food account

Where to buy food in grocery, market and other places

Practice in marketing for above meals if pos- Plan and serve a tea

or refreshments for a party

Cost in comparison to nutrition

Meals planning with reference to three meals a day in the home and outside

Serving and table manners

Care of food in the home

Setting of table with study of proper cover-ing such as tablecloth and runners. Proper arrangement of china Study of and silver. serving without help

4/0

II Unit—Clothing for the family—6 lessons

Project — What should the girl know about the selection, construction, remodeling, care and repair, cost of her clothing, and that of her family in order to dress more wisely, spend and choose more intelligently?

Discussion

School Project and Practice

Home Work which can be developed into Home Projects

needs of each girl?

Average cost

The girl's clothing needs garment in relation to needs of other members of the Millinery may be re- Laundering of clothing family

of dresses

Design, color and approgirls to see and try on priatness of dress

Care and repair of family clothing

Her wardrobe such as gether with the things family undergarments, outer- on hand. Show the regarments and accesso- lation of this to the Family mending family needs

Renovate or remodel a clothes for a younger

modeled or a simple new hat made

to give a talk and bring family a number of hats for

Child's garment

waist and stockings

from clothing ments)

of clothing, or for self mending and darning of girl's own garments Planning and making or those belonging to of some Christmas gifts other members of the family

Visit to department store, if possible to purchase something

What are the clothing Make a list of her own Care and upkeep of own needs and necessary pur- wardrobe, or that of chases to be made to- any member of the

Planning and buying of garment, or make a new member of the family or for self

Care and upkeep of own Comparison of com-mercial appropriateness Request a good milliner any member of her

Family mending

Planning and buying of clothes for a younger Laundering of a simple member of the family or for self

Removal of spots and Laundering of clothing

(girl's or family gar- Plan making of some clothes for a younger member of the family

III Unit—Shelter of family—6 lessons

Project—What should the girl know about proper living quarters in order that she and her family may be better housed from sanitary and aesthetic aspects?

Discussion

School Project and Practice

Home Work which can be developed into Home Projects

Its location in relation home employment and money of girl and her Talk by real estate man family

Owning or renting

Needs of the family group

Sanitation of house

to make home more protection beautiful

ing and lighting

owning or renting a the house

List advantages of pre-

Analyze neighborhoods according to sanitation, Select a room or apart-

Have a plumber talk water, sewerage, sinks, toilets and baths; sup- Ventilation of house and plement with a talk by sleeping quarters a good homemaker who has solved these difficulties

Plan to visit stores and see furnishings; if possible furnish a room at school

Selection of a place to List number of rooms Redecorate or furnish live as room, apartment family will require. girl's own room, or any Work out problem of room, or any room of

> Plan and purchase curtain materials for various rooms.

sent location of home, Plan and purchase or other locations china, linen, silver, or glass for the home.

noise and public utili- ment for a house in ties such as streets, sew- which the girl and her Furnishing of each room ers, water, light and family may live. (This is possible if the girl or family should move).

Care of house, clean- on simple sanitation Care of a girl's own ing, ventilation, heat-topics such as running room or any other room

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Unit—Health of family—5 lessons IV

Project-What should the girl know about the general rules of health, the simple principles of home nursing and first aid in order to keep herself well and to help her family?

Have a Red Cross nurse demonstrate simple treatments for diseases and the care of a patient; also first aid remedies and something on care of babies

Have a kindergarten teacher give a talk and demonstration on the training of children.

Discussion

School Project and Practice

Home Work which can be developed into Home Projects

well

Factors health such as food. of teeth, hair and skin

Community health

ing and first aid

ing of children

influencing of different weights

clothing to wear in order family who is ill to maintain health

List all public agencies Simple but fundamental such as schools, boards principals of home nurs- of health, street cleaning department, fire department and hospitals Physical care and train- which have to do with the health and protection of the family,

Importance of keeping Show food charts and Have girl try out rules charts giving food re- of health for a month quirements for persons and see results on self

Plan and supervise the clothing, bathing, care Show proper kind of diet of a member of

First aid remedies

Many to the second seco

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V Unit—Budgeting the family income—5 lessons

Project-What should the girl know about the amount of money necessary in order to meet her various needs such as food, clothing, shelter, carfare, recreation, savings, vacation and illness, and the relation of her needs to those of her family?

Discussion

School Project and Practice

Home Work which can be developed into Home Projects

diture of money for indiditure of money for individual and family needs. Use charts to show divibudget.

sion of income.

Take definite income of family budget. working girls and divide it; do the same with the family income.

Have a talk given by a banker on savings ac-Visit a bank. counts.

Have girls discuss pro- Have girls list things Keep a personal account blems relating to expen- their money is spent for. or a good account of the

Develop personal

Application of the control of the co

VI Unit—Time and recreation of her family—5 lessons

Project-What should the girl know about planning her time and that of her family in order that they may all have profitable recreation along the lines of education and pleasure?

Discussion

School Project and Practice

Home Work which can be developed into Home Projects.

Wholesome and educational recreation in a Show how each member parks, beaches, dancing duties by the girl. and dance-halls.

Gymnasium and ath-saving appliance. letics.

24 hours are spent both for a week. Labor saving appliances. by the girl and her family.

Demonstrate some labor and the family.

List the wholesome and educational opportunities for recreation in the community.

Plan and go on a picnic, or have a party, or visit a library, music hall or college.

Systematic planning of Show a chart or have Plan to carry out a the work of the girl. girls make one of how schedule for her work

Test out a labor saving appliance.

community through of the family could be Plan and carry out a reading, visits to library, helped in the perfor- recreation program for music, concerts, movies, mance of their home a week or a month.

Plan a vacation for self

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VII Unit—Home life of her family—5 lessons

Project—What should the girl know about her part in maintaining home life, that is hospitality, mutual helpfulness and co-operation with her family, and the relation of her home to the community?

Discussion School Project Home Work which can and Practice be developed into Home Projects

Difference between house and a home.

Proper standards and

joyable home?

Arrangement of home Collect good books and club meeting. duties so as to have read some in class. time and place for readment of the family and on the victrola. guests.

homes today.

tween a real home and zines or music. or boarding.

some for children or friends, or a hike. such as a tea or party.

a Show pictures of prim- Plan and carry out some itive homes and of home entertainment.

Introduce into the home how to maintain them. Show the difference be- some new books, maga-What constitutes an en- and simply living a home entertainment such as a party, dinner or mother's or girl's

Plan some recreation for ing and for entertain- Play some choice records the family outside of the home such as a picnic, a visit to a library, an art entertain- gallery, museum, school ment for the home either or college, a water trip

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Housing and Equipment for Part-time Classes in Homemaking.

The teaching of homemaking in a practical way so that it will function in the life of the girl demands that the place in which the instruction is given approach as nearly as possible desirable home conditions. A house of average size is the most satisfactory place in which to give homemaking instruction. Other plans which have been followed are (1) building an apartment in the school (2) partitioning off one large room into the various rooms of the house by setting up temporary movable partitions (3) arranging the furnishings of the house in one large room in such a way that the various rooms are simulated but using no partitions. This last plan is a good one where all the instruction must be given by one teacher.

In furnishing any of the above places, the home idea should be kept in mind. The simplest home furnishing for the various rooms should be used. The following rooms are suggested in order to teach the work successfully—kitchen, clothing room, dining room, bed room, living room. In the beginning it will be necessary to furnish the kitchen and the clothing room. Other rooms may be furnished as the work develops, and the furnishing of these rooms will afford an excellent opportunity for carrying out good instruction

in homemaking.

The following is not a complete equipment list but is a very suggestive one:

1 Kitchen:

1 cupboard, 2 kitchen tables, 1 range with oven (same fuel as is used in the community), 1 sink with drainboard, hot and cold running water, 1 laundry tub, 1 refrigerator, 1 garbage can, 1 broom and 1 dust pan. Family size kitchen utensils such as dishpans, saucepans, mixing bowls, measuring cup, kettles, double boiler, pie pans, flour sifter, egg beater, food chopper, colander, bread pan, can opener, salt and pepper containers, knives, forks, spoons and jars for supplies, towels, dishcloths, floor cloths, dust cloths, dish towels and floor mops.

2 Clothing Room:

Sewing tables 3' x 6' and 30" to 31" high, sewing machines (one for every four or five girls), chairs—height 14" to 16", mirror for fitting, locker case or cupboard for storage of materials and unfinished garments, screen, cutting tables (32" high is desirable), ironing boards.

3 Dining Room:

Dining room table, chairs, 1 small serving table, simple dinner set, silver (plated knives, forks and spoons), linen (may be table cloth and napkins, or simple luncheon set, or runners made by class) and table felt.

The dining room table may be bought at second hand store and refinished

by the girls as a home furnishing problem.

4 Bath Room:

Ordinary fixtures—tub, bowl, seat and towels.

5 Bedroom:

Bed and springs, mattress, sheets, blankets, spread, pillows, pillow cases, dresser or table and mirror, chair, rugs, curtains and cover for dresser.

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6 Living Room:

(This room may be combined with the clothing room if no other is avail-One large rug or several small ones, simple chairs, table, pictures, curtains and possibly a writing desk and book cases. Provision must be made for hanging of coats and wraps of girls. If there is a hall in the house, this may be utilized for such a purpose. A movable blackboard should be It is recommended that the maximum number of girls in a If a house is selected as the place in which to give the instruction the redecoration of walls and the refinishing of floors should be left to the class as a problem to be worked out. The group should select the floor coverings, curtains and other furnishings. Furniture of good design may be bought from a second hand store and refinished by the class thereby affording a practical problem and lowering costs. If one room a year is furnished only a small investment needs to be made each year for equipment.

The old type laboratory equipment such as the laboratory table and individual stoves arranged in hollow square, or in any other arrangement, is not recommended, because with such equipment it is impossible to carry out the all round idea of homemaking. However in communities where a very large number of girls must be instructed and where the classes are large the most satisfactory arrangement for the homemaking work has been

found to be a plan which includes the following:

a the flat or apartment

b a room for clothing work

c a room for foods work with group arrangement of tables and stoves or unit kitchens

d a general room for instruction in personal hygiene and academic subjects.

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The Homemaking Instruction as a Basis for Vocational Guidance Instruction

One of the chief aims of part-time or continuation school work for employed boys and girls is vocational guidance. Properly adjusted vocational guidance instruction involves:

a information relative to occupations

b some participation in the practical work of the occupation for testing purposes and

c placement of the individuals in occupations.

In the list of the principal occupations in which girls and women were engaged in New York State in 1920 and 1910 are to be found the following:

1	Hairdressers, manicurists and barbers	5,080	5,049
2	Dressmakers, seamstresses (not in		
	factories	37,849	68,082
3	Housekeepers and stewards	23,799	20,648
4	Laundresses, not in laundries	20,574	32,465
5	Midwives and nurses (not trained)	20,811	19,539
6	Restaurant keepers	1,606	1,066
7	Semi-skilled operatives, knitting mills	14,828	not available
8	Semi-skilled operatives, shirt, collar and		
	cuff factories	17,919	not available
9	Semi-skilled operatives, shoe factories	8,734	5,460
10	Semi-skilled operatives, suit, cloak, coat		
	and overall factories	17,089	not available
11	Servants and waiters	151,456	198,970
12	Trained nurses	21,915	12,877

The homemaking teacher in planning her work can include as a part of every lesson which involves practical work instruction in vocational guidance information. For example the following correlations might be made in connection with the topics suggested in the first homemaking course outlined in this book.

Lesson topic:	Vocational guidance as to the occupation of:
The Hair	Hairdressing
Clothing	Dressmaking; laundry work; knitting; shirt, collar and cuff making; shoemaking; suit, cloak, coat and overall making; tailoring: retail selling of commercial clothing.
Food	Housekeeping and steward work: restaurant keeping; serving and waiting.
Health	Nursing

A great many other vocational guidance topics could be tied up with the homemaking lesson topics. The above are a few which can easily be organized.

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Time Allotments to Subjects

The part-time school courses are for the most part organized on a four, six or eight hour per week basis. While it is common practice to make use of unit lesson plans for instructional purposes and consequently to disregard the question of how much time should be assigned to any particular subject still it is necessary to follow some general plan of distribution of time to be devoted to the various subjects.

In most places where homemaking is offered as a separate course some such guiding principles as the following are observed as to the distribution

of time devoted to subjects:

a At least one-half of the time is devoted to practical work in the home-making subjects such as food, clothing, home decoration and household sanitation and management.

English is taught as a part of the course and usually occupies about

one-eighth of the weekly attendance time.

c Social science subjects such as American history, industrial history, civics and economics are given about one-eighth of the time.

d Hygiene (and physical training) is given about one-eighth of the time:

e Correlated mathematics occupies about one-eighth of the time.

Vocational guidance which properly forms a part of the instruction

given each week is introduced in the following ways:

a As a correlated topic in connection with the practical homemaking work. If the lesson or lessons center around the topic, The Nails—Care and Manicuring, the topic, Manicuring as an Occupation, can be introduced and taught.

b Sometimes the vocational guidance information is worked out in the

classes in the social science subjects.

c As a subject for written or oral expression work in English.

The following brief outline will indicate a number of such topics which can be so used. :

Careers

Food, that most common necessity of life, is the basis also of an uncommonly long list of occupations open to the woman trained in home economics. Here is a list which is not complete because something new is being added all the time.

Business

Restaurants—Manager, \$75—\$250 per month. Cafeteria—Manager, \$1500—\$2500 per year. Cafeteria—Assistant Manager, \$900—\$2000 per year. Lunch Rooms—Stores, factories, schools. Tea Rooms—Independent ownership. Canning and preserving home products. Candy and cake for private trade. Catering.

Government

Research work in the chemistry of foods. Extension work, \$700—\$2500 and traveling expenses.

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Control of Control of

Inspection of factories, \$1200 and upward. Food inspecting.

Institutional Management

Hostess or housemother in institutions for girls.

Department managers in hotels, hospitals, sanatoria schools, \$50—\$150 a month and living.

Literary Work

Articles in magazines. Newspaper work—special articles. Book reviews . Editorial work.

Religious Work

Missionary work.
Y. M. C. A. work.
Manager of cafeteria, \$1200—\$1600.
Visiting housekeeper, \$1800—\$2000.

Scientific

Research laboratory worker in commercial establishments.

Advertising

For factories manufacturing food products. Demonstration of food products.

Social Work

Community center work.
Family social work.
Visiting houskeeeper.
Preventive work (through dietetics) in social work.

Dietetics

Hospitals, clubs, schools, other institutions, \$60-\$200 per month and living.

Education

Teaching home economics in public and private schools and in religious and charitable institutions.

Wherever and however introduced it is certain that no period of attendance should be permitted to go by without including a vocational guidance topic, particularly with the younger groups of part-time children who are attempting to find themselves vocationally.

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Industrial Courses for Girls

The organization of part-time industrial courses which will make possible the realization of the objectives set up for such courses for girls involves

four steps:

1 A survey of the organizations or establishments in which the girls are employed, together with the making of an organization chart which will show clearly the types of jobs in which girls of continuation school age are employed and the lines of promotion.

An analysis of the jobs in which girls and women are employed.

The making of courses of study which will cover, and in proper instruc-

tional order, the facts and skills which are to be taught.

4 The organization of unit lessons for teaching purposes, which teaching should be supplemented by the use of unit instruction sheets.

The Survey

In the making of a survey of an industry the following plan should be followed:

1 The executive officers of the plant to be surveyed should be visited and their interest and co-operation secured in the work of part-time education as well as their permission to make studies of the pay roll jobs in the plants.

2 Contact should be established with the subordinate executives and the foremen in the plants and all the general data needed should be secured

from them

3 The work of the workers in each pay roll job should be studied to find out (1) just what they do (2) just what they need to know to do their job and (3) just what the working conditions are and what supplementary information would be of value in organizing courses of study for them.

The survey of the pottery industry made by the Federal Board for Vocational Education, for example, shows the following:

1 Potteries visited

2 Products manufactured

3 Departments studied

4 Pay roll jobs

One of the departments of a pottery plant studied was the dipping room. The following summary shows the results of a study of the work of a dipper or helper:

1 Department—Dipping Room

2 Name of pay roll job—dipper and helper

Qualifications for Employment

a Sex—Women and Menb Skill—Considerable

c Educational and Mental

Reading
Writing
Arithmetic
Special knowledge
Special skill
General intelligence
Reliability
Experience

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d Physical

Light

Active

Strong

Dextrous

Good eyesight

Health

e Age at entrance—20

3 Work jobs

a Bringing in

b Dipping

c Setting out

d Setting stilts

e Placing on bars

f Marking kiln

g Marking rings

h Buffing

4 What the worker does:

The ware is brought into the dipping room from the bisque cleaning room and underglaze decorating shop. Using thumb hoops for plates, diahes or saucers, the dipper picks up a dish, dips it in the glaze in a tub with flaring sides, the top of which is plenty high above the glaze, then holds it just above the surface and gives it one or two particular twists with the wrist that spreads the glaze evenly over the surface and throws off the excess against the sides of the tub.

Cups are dipped without the thumb hoops using the thumb and two fingers. Cups dipped and twisted as above are set upside down on a screen. The helper picks them up and places them on a board.

After dipping, the ware is set on a board and the helper sets stilts between plates and dishes. The helper puts filled boards on drying racks. Ware must be dried before going to the kiln.

An order sheet comes in with each order for ware to be dipped.

The boss dipper marks the kiln number on the order sheet when the ware is taken out of his room to the kiln.

Kilns are numbered at the beginning of the year and in the order

in which they are fired.

Certain drying bars are reserved for ware to go to the kiln in different rings. The ware for each ring is marked by a certain colored tag on the boards.

Cups and bowls have their bottoms buffed on a wheel after dipping

to prevent sticking when set on the bottom of the saucer.

5 What the worker must know:

He must know that browns, blues and grays are fired in the third ring, green in the second ring and white in the first and fourth rings.

He should know every design and size of ware made. He must know that too thick glaze will run down and crack and check near the center of the plate or dish.

What should be taught the dipper is shown from the following outline

or course of study:

1 Manipulation—To dip the ware in glaze and to mark for placing in the kiln so that the worker can spread the glaze properly on any kind of ware, and to determine the ring in which it is to be fired.

2. Auxiliary information

a Trade terms

Material—Names of all dipped ware made in the plant, glaze,

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bisque ware, glazed, decorated ware. Factory names for different kinds of glazes where more than one kind of glaze is used, browns, blues, grays, greens, black and other colors of underglaze decoration.

Machinery, tools, equipment—Truck, carrying board, thumb hook, glaze tub, drying bars, screen, stilt, kiln, buffing wheel, brushing

machine.

Operating—Top and bottom of kiln, 1, 2, 3, 4 inch rings in kiln bisque cleaning room.

Special-Order sheet, cracking, checking, short of glaze, foot marked.

b Stock.

Recognition—Know the different kinds of ware in the factory. Working properties—Must know proper consistency of glaze to prevent checking and cracking in firing and yet give a good gloss.

Regulate consistency of glaze either by weight per pint or by hydrometer c Care of tools and equipment—Keep boards, bars, dipping tubs, pails,

screens, floors, all stocks, and materials in dipping room clean.

d Safety. Keep from getting any dry glaze on tubs and boards so as to avoid lead poisoning (occupational danger). Avoid fumes from glaze in warm damp room. Hands should be thoroughly washed and clothes changed when through work. Oil and sawdust on floor to keep dust down.

3 Mathematics

a Count up to 100

b Know numbers up to the maximum number of kilns fired in a year.

c Count ware by dozen and fraction of dozen.

4 Science

a Substances used for decorating melt at different temperatures.

b Colors having lower melting point, such as blue and gray, are fired where there is lower temperature, whereas green takes a little more heat and white ware most heat. Effect on colors of light and heavy coats of glaze.

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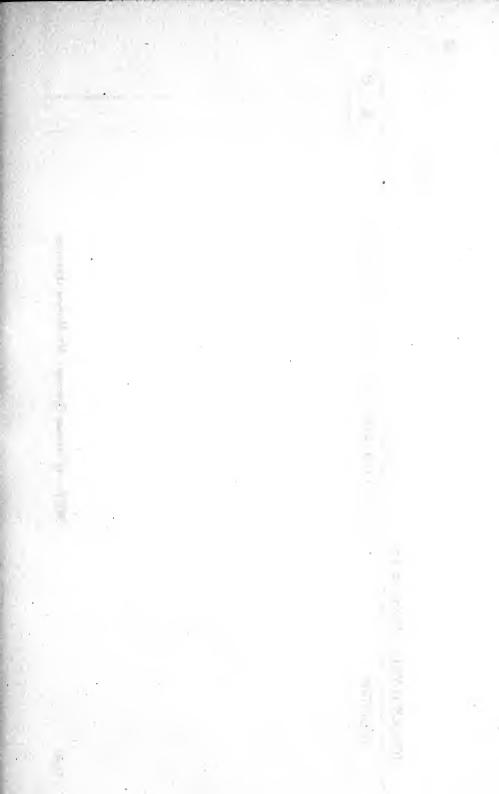
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Job Analysis Cards

A number of plans are followed in the work of making job analyses. A simple but effective one which has been worked out and used during the past year is here reproduced. It is made up in the form of five cards. as follows: Card A — 1 lists points for a job inventory, pay, promotional possibilities, etc. Card A - 2 lists points for job analysis lists auxiliary information necessary for a complete Card B — 1 understanding of the job. lists technical knowledge actually required in job per-Card B — 2 formance. Card C-1 lists the relatable possibilities which correlate with the pupil's experience on the job. Job No..... GENERAL INFORMATION CONCERNING JOB OF..... 1. Job Specifications (Requirements) a. Education (Grade Completed)..... b. Physical Requirements.2. Community Importance (Estimated) A, B, C, D, E, F * 3. Employment, Steady or Seasonal (Check One) Wage \$.. Hrs... ber week ber week 4. Working Conditions: a. Hygiene, A, B, C, D, E * b. Moral, A, B, C, D, E * c. Occupational Dangers..... d. Welfare Work Carried on by Employer..... 5. Expectation: a. Job, Permanent..... b. Job, Temporary..... c. Promotional Possibilities..... 6. Labor Legislation particularly applicable to Job, as: prohibitive employment, hours of labor, operation of machines, physical examination, etc. (See bulletin, New York State Labor Law, 1920)..... *Remarks; A-90-100; B-80-90; C-70-80; D-60-70, etc.; Check

(A-1)
Card number one lists the points for the job inventory giving pay, promotional possibilities, working conditions and legal limitations affecting the

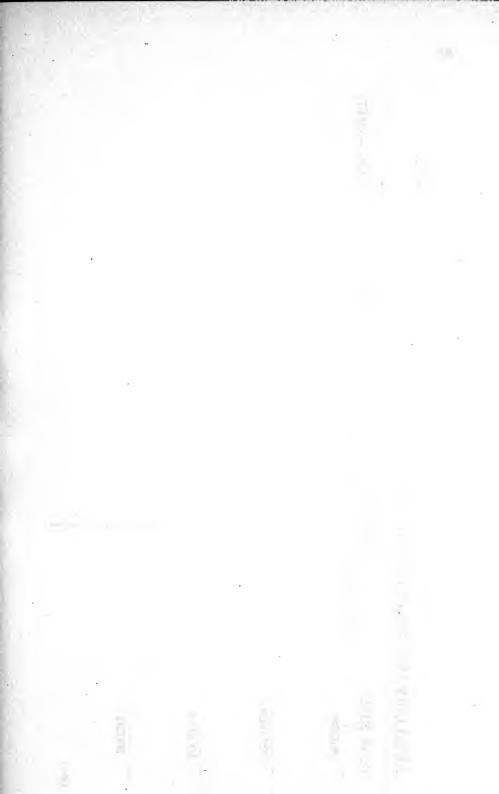
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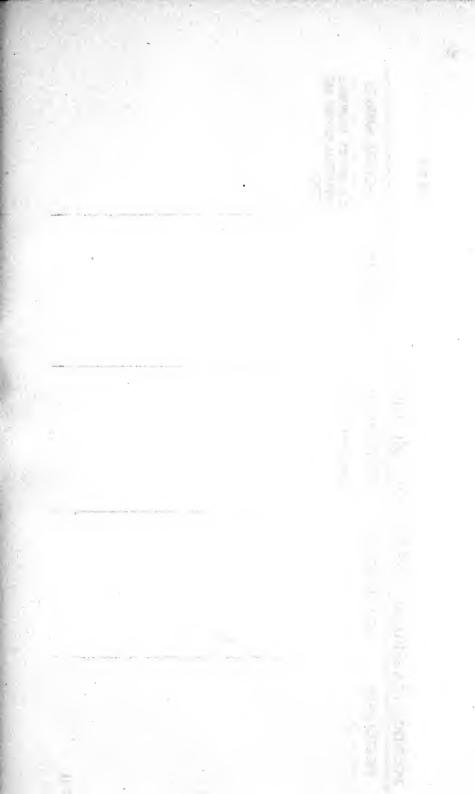
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JOB NO. TECHNICAL INFORMATION NECESSARY FOR PERFORMING JOB OF...

ANY OTHER INFORMATION	More especially Vocational Guidance facts and references.			
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RELATED ENGLISH			
RELATED MATH.			(C-1)

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Methods of Teaching

Instructional material should be organized in terms of unit lessons. The teaching should be (a) class instruction (b) group instruction and (c) individual instruction, and unit instruction sheets should be used to supplement the work of the teacher.

Unit Instruction Sheets

The theory and practice of organizing unit instruction sheets is contained in a separate monograph forming a part of this series for continuation school teachers. (See Unit Instruction Sheets and Individual Instruction in Vocational Classes, by R. H. Rodgers and Oakley Furney.)

Division of Time

The time of attendance of pupils registered in individual courses in parttime schools is customarily divided as to subjects in the following manner:

practical industrial work such as shop work, drawing and design at least one-half of the time of weekly attendance.

2 related mathematics at least one-eighth of the time.

3 English at least one-eighth of the time.

4 hygiene and safety at least one-eighth of the time.

5 social science subjects such as American History, industrial history, civics and economics st least one-eighth of the time.

Vocational Guidance

Effective vocational guidance work is of three sorts (1) insrtuction in terms of vocational guidance information (2) try-out or testing work of practical character in school shops and under conditions similar to those found in industrial establishments (3) proper placement of pupils and (4) consistent follow up work.

Instruction in terms of vocational guidance information may be given

in a number of ways and at a variety of times as follows:

1 in connection with the practical shop work

2 as topics for written and oral discussion in English classes

3 in connection with the instruction in the social sciences.

Equipment for Industrial Courses for Girls

If industrial courses are set up in part-time schools for the purpose of accomplishing the objectives determined upon for such courses certain guiding principals should be observed in the purchase of equipment. The following are the most important:

The equipment should be similar to that found in industrial es-

tablishments.

It should be installed with a view to actual production work.

Modern safety devices should be purchased for every machine.
Only general purpose machines should be purchased, that is speciality production work should be avoided.

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A number of short equipment lists follow. These have been prepared with the advice of employers of girls of continuation school age and are considered suitable for the purposes of the work

Power Machine Operating and Garment Making Equipment (for use by 15 girls)

Items Names of Machines	Est	timated Cos
15—plain stitching machines		
Singer No. 95—10	. @ \$45 each	\$675
5—folder machines	. @ \$175 to \$250	\$1250
2—union special sleeving machines	. @ \$210 each	\$420
2—union special filling machines	. @ \$280 each	\$560
1—yoking machine	. @ \$200	\$200
1—button hole machine	. @ \$300	\$300
Tables for 26 machines and 5 H. P.		
motor and transmission		\$500

Equipment for Textile Work

Knitting, Spinning, Weaving,

Picking and Carding

1—36" automatic feeder attached to 1—40" picker, single beater with evener motion

1-40 revolving flat card

1—drawing frame, 5 or 6 deliveries, 12" cams with metallic rolls

1—combination slubber and intermediate, 11" x $5\frac{1}{2}$ " or 10" x 5", 30 to 40 spindles

1—spinning frame, combination warp and filling builder, 3" guage, 6" bobbins, 60 to 80 spindles

1—spooler, 30 to 40 spindles for 6" x 3" spools

1-warper, about 4000 ends.

1—Universal winder, 6 spindles, different winding attachment for each spindle.

2—automatic looms (plain and fancy)

1—Payne winder.

2—Scott and Williams knitting machines

2—Cooper Springs needle rib knitting machines

1—Eastman cutter

- 6—shears
 13—power sewing machines mounted on tables (4 machines to each table)
 as follows:
 - 1—Marrow edging machine

3—Wilcox and Gibs seamers

3—Union special seamers

1—facing machine

- 1—button staying machine
- 1—Marrow shell machine
- 1—Singer tacking machine 1—button sewing machine
- 1—button hole machine 1—Cutting table

24—Operators chairs

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(The above equipment was particularly planned for use in Utica, N. Y., and is adopted to the demands of knitting, spinning, weaving, picking and carding work).

Equipment for Teaching the Shoe Making Trades

- 1 For lasting room bed last machine pulling over machine upper trimmer
- 2 Bottoming room
 inseaming machine
 welt beating machine
 sole layer machine
 rough rounder machine
 Goodyear stitcher
 leveling machine
 seat nailer
- 3 Making room
 heeling machine
 breast trimmer
 heel trimmer
 edge trimmer
 heel scouring machine
 edge cutter
- 4 Finishing room
 bottom sander
 naumkeaging machine
 heel burnisher

5 Stock fitting channelling machine shank reducing machine

(Planned particularly to meet the needs of workers in the shoe trades in Auburn, N. Y.)

Courses of Study in Industrial Work for Girls

For the purpose of showing the richness and extent of industrial occupations which are open to girls and of illustrating what may be taught in tryout or testing courses, preparatory courses and extension courses three outline courses are given here:

1 Power machine operating and garment making.

2 Textile work—knitting, spinning, weaving, picking and carding.

3 The shoe making trades.

These courses are based on a study and analysis of the trades.

A Course of Study in

Power Machine Operating and Garment Making

1 The machine

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a control of the machine—starting and stopping

b care of the machine—oiling, dusting, cleaning

c adjusting of parts—threading of machine, regulating tension, setting up needle, stitch regulating, care of bobbin

d knowledge of standard machines

- e adjustments and use of attachments
- Plain operating processes (applied to simple garments) single and two needle machines
 - a plain sewing (flat)—straight edges, one straight and one shaped.
 b felled seaming—by hand, through hemmer

c length of cloth, straight hems on width of cloth, shaped hems as on bottom of skirts

d short and long length stitching

Garment making

a pocket making—knowledge of parts, putting parts together

b trimmings—collars, cuffs, pockets

c sleeve making

d sleeve setting

Special courses

a pocket making—flat, welt, piped

b button sewing and button hole making (machine)

c hand finishing—hand button holes and eyelets; embroidering, initial making

d shirt making—pockets, yoking, front plaiting and facing, collars, and cuffs, ties, bosom making, pocket making, sleeve making, assembling parts, two needle seaming.

e shirt waist making

f skirt making—seaming, hemming, facing, flounce making and setting

g house dresses

Outline of a Course of Study in Textile Work, Knitting, Spinning, Weaving, Picking and Carding.

Knitting

Plain knitting one and one cloth for cut to shape garments on plain latch needle body machine

Latch needle, balbriggan, plain, web knitting for plain and fancy stripped

in light weight underwear

Rib cuff and border knitting on circular latch needle, rib border and cuff machinery

Spring needle circular rib knitting

Spinning

- Slubbers, first and second, intermediate, changing and fixing frames, operations
- Spinning frame methods of preparing yarn for twisting

Size of rings and travelers for different counts of yarn

Weaving

Plain looms—construction and principal movements in weaving

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2 Shedding methods and motions

3 Timing cams. Varities of cams

4. Picking motions and methods. Shuttles and boxes

5 Protector motions. Reeds-let-off and take-up motions

6 Filling stop motions. Temples, various makes

7 Special features of various makes of looms

8 Operation and fixing of looms

Picking and Carding

1 Cotton yarn machinery and sequence of processes

2 Method and object of binding

3 Pickers, automatic feeders, construction and operations

4 Carding—setting arrangements, speeds

5 Clothing, grinding, setting and stripping cards
(The above outline is adapted to the needs of the knitting, spinning, weaving, picking and carding workers of Utica.)

A Course of Study in the Shoe Trades

1 Upper leather cutting

Trimming cutting

Linings

Outsides, hand and machine

Stock sorting

Skiving

2 Upper leather fitting—(girls only).

Lining making and stamping

Closing and staying

Perforating, cementing and pressing

Back stays, tip stitching, fancy stitching and binding

Single needle work

Facing

Top stitching, closing on, turning and blocking

Button hole operating, finishing, button sewing and eyeletting

Vamping

Barring and toe closing

Table work

3 Sole leather

Channelling

Making inner soles

Sorting soles for size, weight and quality

Demonstration teaching

a rounding and cutting soles

b cutting inner soles c rolling and splitting

d pasting and trimming tops and spring heels

e turning channels

4 Lasting—demonstration teaching only of

a welts—assembling, hand pulling and hand lasting

b pulling over machine—use of

c bed machine—use of

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5 Making and finishing

Welting

Goodyear stitching

Scouring, breasting and slugging To be taught by demonstration

a rounding

b bottom filling, welt beating, in seam trimming, tack pulling and setting, leveling, heel setting, nail and fudge wheeling

c edge trimming and jointing d edge blocking and setting

e nailing

f shaving

g buffing and naumkeaging

h tolling and finishing bottom and heels

these employed commonly in the grammar and high schools.

(The above was organized to meet the needs of the shoe trades of the City of Auburn, N. Y. and for boys and girls).

Teaching English, Mathematics, Science, Hygiene and Social Sciences

to Girls in Industrial and Homemaking Courses.

While for the purpose of realizing the objectives set up for part-time school work the various courses have been denominated as industrial, commercial, homemaking or agricultural, and while such courses are conceived as being of a vocational character still a study of a typical school organization will reveal at once that the usual regular school subjects are given, that is that English, mathematics, science, hygiene and the social sciences such as American history, industrial history, civics and economics find a large place in the curriculum of these schools. However the materials and methods used in teaching such subjects are considerably different from

It is clearly recognized by part-time school teachers that "all must learn to read and to write, to use figures wherever necessary in the ordinary affairs of life, and to know enough about history to appreciate the element of growth in civilization, enough of science to understand that it means a subsitution of real knowledge for mere "rule of thumb," enough of physiology and hygiene to appreciate the existence of natures' laws governing the health of the individual and of society and enough technical work to inspire an interest in the industrial activities by which the majority of humanity supports itself. It is hard to conceive of attainment of genuine success in life, under present day conditions, that is not built upon at least a rudimentary working knowledge of practically all of these educational elements. These are found in the school curriculum today as a result of the working of the law of the survival of the fittest. Because they are essential they have persisted."

New methods are to be applied to the teaching of these subjects, methods based upon a sound psychology of learning, that of connecting up or correlating that which is to be taught with that which is of basic interest and greatest value to this group of employed children, the vocational training. "Learning is connecting," says Thorndike, "and man is the great learner

"Learning is connecting," says Thorndike, "and man is the great learner because he forms so many connections. There are millions of them. They include connections with subtle abstract elements or aspects or constituents of things and events, as well as with the concrete things and events themselves."

"Learning is connecting, and teaching is the arrangement of situations which will lead to desirable bonds and make them satisfying. A volume could well be written showing in detail just what bonds certain exercises in arithmetic, spelling, German, philosophy, and the like, certain customs and laws, certain moral and religious teachings, and certain occupations and amusements, tend to form in men of given original natures; or how certain desired bonds could economically be formed."

The method of teaching the general subjects in the part-time school will be that of maintaining an intimate relation between (1)the practical industrial and homemaking work and (2) those other intellectual processes which in their expressions we classify and denominate as English, mathematics, science, social science and hygiene. For example the mathematics taught to a group of girls in a class in print transferring in the pottery industry will include the following:

1 counting to 100

2 counting one days work by printers' count

3 centering a crest in a circle or other geometric figure (by eye)

4 transfering location marks from one dish to a bung 5 dividing a circle into as many as five segments by eye

The science which should be taught the same group will include the following facts:

water penetrates paper

2 water softens paper3 water dissolves size

4 pressure improves the bonding quality of size

5 ink (the color) resists water

The English will include oral and written expression based upon such reading as the chapter on The Pottery Industry from Elementary Industrial Arts by L. L. Winslow, or The Potter's Song from Karamos by Henry Wadsworth Longfellow.

The following sections contain considerable helpful material relative to the organization and teaching of these general subjects in the part-time

schools.

Hygiene

The purpose of teaching hygiene in the part-time school is to increase the occupational efficiency of the girl. It is obvious that any improvement in the physical condition of a young worker will certainly increase her efficiency. Improper diet and infringement of the laws of physical life result in reduced energy and sickness. Children rarely have any adequate knowledge of the effect which their modes of life have upon their health and strength. Any study or training which tends to improve the pupils' health will possess real vocational value.

In the organization of instructional material care should be taken to establish the proper contacts with the types of work or the vocations which are being taught or in which the children are engaged. Some of the topics

which should be included in a course of study are:

1 occupational dangers—dangers of catching hands in knives, danger from dust, danger to eyes when working on an emery wheel, danger due to failure to use guards, etc.

occupational diseases

3 food, clothing, rest, recreation



a food according to occupation and why

b clothing according to occupation

c avoidance of fatigue—"Statistics covering accidents in the factories of Illinois for a period of one year show that between the hours of 8 and 9 o'clock in the morning there were 120 accidents, and that this number steadily and progressively increased until, during the hour between 11 o'clock and noon 257 accidents were recorded. In the hour following the noon rest, or between one and two o'clock, there were 111 accidents, the number again increasing hour by hour until between four and five o'clock the maximum of 260 accidents was reached."

physical condition in relation to the choice of occupation state laws relative to safety and hygiene in factories

hygiene in the home

community hygiene

Social Science

Such subjects as American history, industrial history civics and economics should be taught from the standpoint of social science. The objective should be the explanation of the industrial economic and social situations which the girl finds herself in and some clear understanding of the historical development of these situations. The topics which might well be considered in such a course are as follows:

The modern industrial system

a relationship of an employee to her employer b relationship of an employee to fellow workers

c the modern factory and its advantages in a scheme of production

d rewards of labor opportunity to work increased earning power leisure

satisfaction

e development of modern factory system f development of modern system of free labor

g necessity of management Some necessary economic facts

a human wants—individual, community and industrial

b satisfaction of economic wants

c wealth and poverty

d agencies of production—land, labor, capital, management

e property

f the economic ideal

a private ownership of land

b how private ownership came to be

Capital

a what capital is b the capitalist

c capital and labor

Political science—American 5

a constitutional rights

b how society governs itself

c branches of government



d taxes a function of government

e Federal customs

f development of political institutions

Mathematics

In the teaching of mathematics the teacher should organize instructional material which is intimately correlated with the jobs taught. The job analysis should reveal just what mathematics a worker needs to know in order to perform a specific job. The liner and gilder in the decorating department of a pottery must be able to:

1 count by dozens up to one day's job. 2 count by dozens using printer's count.

3 measure widths of lines (by eye) to 1/34th inch.

4 measure space (by eye) to 1/64th inch. 5 test widths and distances with a rule.

These various computations should be taught in connection with the jobs to which they apply or in the performance of which ability to do is necessary.

Text books can not be used except for drill work as it is impossible to set up in any but a specially prepared book the work which should be taught. Nearly every topic presented in homemaking affords an opportunity for

the teacher to present considerable in the way of arithemetical work.

Another good field is that of account keeping, particularly as related to the expenditures of the family income. It will be possible to compute the amount which any family having a given income should spend on the various items of the budget. "Each item of the budget should be analyzed. For example in dealing with the expenditures for food the prices can be verified, the food cost for a week found and the cost for a year estimated. Such work is good arithmetic and good elementary economics and should help to convince the girls that arithmetic is something which is really useful in daily life."

English

English is generally recognized as one of the important subjects. The purposes which seem possible of realization and particularly appropriate for part-time pupils in the teaching of this subject are:

1 ability to interpret the printed page.

2 development of a genuine fondness for books.

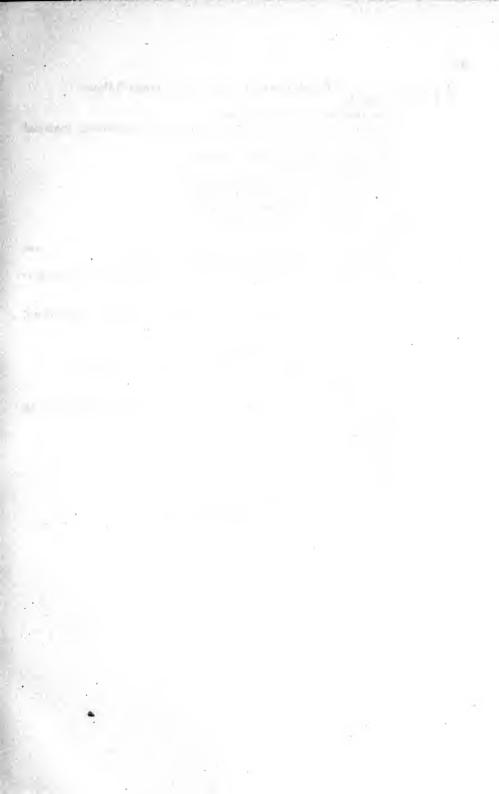
3 development of a desire to read as a means of recreation.

4 development of the idea of the dependence of the civilized world on books

5 development of the idea that ability to handle books will contribute to success.

development of power of oral and written expression.
 development of aesthetic appreciation for literature.

To induce reading it is necessary to first provide those books which the girls want and which they can read easily and quickly and then to introduce the works they should have. They should have access to a large and varied assortment of books and magazines and should be encouraged to devote time to outside reading.



A general outline of English work for part-time classes follows:

1 Oral English

a free discussion, in all classes

b talking to the point—listing points and organizing material for one minute talks

c corrective drills for misprounciations

d vocabulary building

e cultivation of variety of expression f correcting "and" and "then" habits

g formulating intelligent questions

h oral application for position

2 Reading

a silent for content—how to study and to interpret orders; use of dictionary, reference works and newspapers.

b for appreciation—exposing to library, listening to teacher, giving fine quotations.

3 Grammar

a corrective drills for misused verbs, pronouns, adjectives, adverbs, prepositions

b correction of vulgarisms

c punctuation of written work

d spelling trade terms and student's written vocabulary

e little work in grammar

4 Written English

- a copying or writing from dictation, note book material in all classes
- b filling out forms
- c business letters
- d friendly letters e written reports

description—tools, processes, etc. exposition—simple directions, etc. narration—reports on shop work, etc.

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A List of Helpful Books, Bulletins and Illustrative Material For Teachers

of Homemaking and Industrial Subjects For

Girls In Part-time Schools

Homemaking Subjects

Food

Cooley and Spohr, Household Arts for Home and School, Vol. 1 and 2, Macmillan Co.

Rose, Feeding the Family, Macmillan Co.

Gillet, Dietetics for High Schools, Macmillan Co.

Photographs of meals for children—small size, unmounted (18 cents each), Department of Agriculture, Washington, D. C.

Washburn Crosby Co., Flour Exhibit, Minneapolis, Minn.

Meat Charts, Wilson & Co., Chicago, Ill.; Armour & Son, Chicago, Ill. Food Charts, Langworthy, Division of Publication, U. S. Department of Agriculture, Washington, D. C.

Clothing

McGowan and Waite, Textiles and Clothing, Macmillan. Woolman, Clothing, Choice, Care and Cost, Lippincott. From Wool to Cotton, American Woolen Co., Boston, Mass.

Baldt, Clothing for Women, Lippincott.

Biglow, Good and Appropriate Dress Charts, Webb Publishing Co., St. Paul, Minn.

Selection and Care of Clothing, Farmers Bulletin No. 1089, Department of Agriculture, Washington, D.C.

Clothing for the Family, Bulletin No. 23, Division of Publications, Department of Agriculture, Washington, D. C.

Home Furnishings and Decoration

Bevier, The House, American School of Home Economics, Chicago, Ill. Daniels, Furnishing a Modest Home, Atkinson, Mentzer Co., New York City.

Home Furnishing, Extension Bulletin, Iowa State College, Ames, Ia. The Decorative Use of Flowers, Extension Bulletin, Cornell University,

Ithaca, N. Y.

Educational Pictures, Catalogue, Walter Lillie, Columbus, Ohio. Weaving New Baskets, Ladies Home Journal, Philadelphia, Pa. Pamphlet, The House Beautiful, Marshall Field Co., Chicago, Ill. Photographs, Furniture, Metropolitan Museum, New York City, (20c each, unmounted).

Sanitation—Child Care—Hygiene—Home Nursing

American Red Cross Text Book on Elementary Hygiene and Home Care of Sick, Blackiston & Son, Philadelphia, Pa.

Ritchie and Caldwell, Human Physiology, Primer of Hygiene and Primer of Sanitation, World Book Co., Yonkers, N. Y.

Care of Children Series, Children's Bureau, United States Department of Labor, Washington, D. C.

Tolman, Hygiene for the Worker, American Book Co.

Stories for Young Children, also Training Little Children, United States Bureau of Education, Washington, D. C.

Broadhurst, Home and Community Hygiene, Lippincott.

Management—Budgets

Taber, Business of Household, Lippincott

Hints on Home Laundrying; Approved Methods of Home Laundrying: Soap Exhibits, Proctor and Gamble, Cincinnati, Ohio.

Balderson, Housewifery, Lippincott

Planning the Home Kitchen, Cornell University, Bulletin No. 108.

Home Laundrying, Farmers Bulletin No. 1099, Department of Agriculture, Washington, D. C.

Thrift Lessons, Department of Agriculture, Washington, D. C. Abel, Successful Family Life on Moderate Income, Lippincott.

Related Subjects

Science—Civics—History

Tarkington, My Country, Ginn and Co.

Carpenter, How the World is Fed, How the World is Housed, How the World is Clothed, American Book Co.

Leavitt and Brown, Elementary Social Science, Macmillan Trafton, Science of Home and Community, Macmillan

Hughes, Community Civics, Allyn and Bacon Weed, Chemistry in Home, American Book Co.

Tufts, The Real Business of Living, Henry Holt and Co.

Zeigler and Jaquette, Our Community, John Winstown Co., Philadelphia, Pa.

Arithmetic

Roray, Industrial Arithmetic for Girls, Blakiston and Co., Philadelphia,

Ball and West, Household Arithmetic, Lippincott

Gardener and Murtland, Industrial Arithmetic for Vocational Schools, Heath and Co.

Miscellaneous Problems for Textile Classes in Cotton Mill Arithmetic, Clemson College, Clemson, S. C.

Design

Izor—Costume Design and Home Planning, Atkinson, Mentzer Co., New York City.

Industrial Art Text Book,—A. A. Barnes Co., New York City.

English

Curwood, The River's End.

Alcott, Little Women, Little, Brown and Co., Boston, Mass. Jackson, Bits of Talk About Home Matters, Little, Brown and Co.

Wiggins, Mother Carey's Chickens, Houghton, Mifflin Co. Earle, Home Life in Colonial Days, Crosset and Dunlap.

Stoddard, Everyday English Writing, Macmillan.

Coman, Industrial History of United States.

Hawthorne, The Snow Image, also The Great Stone Face.

VanDyke, The Keeper of the Light, Scribners. Dickens, The Christmas Carol. Fischer, The Bent Twig.

Stevenson, The Child's Garden of Verses. Stearn, My Mother and I, also Manners

General Subjects

Prevocational Education in the Public Schools, Leavitt and Brown, Houghton, Mifflin and Co.

Filene, Careers For Women, Little Brown and Co. Adams, Women Professional Workers, Macmillan.

Dickinson, Vocational Guidance for Girls, Rand, McNally Co.

Hutchinson, Women's Wages, Longmans Green Co., 53 Fifth Ave., New York City.

Bibilography on Vocational Guidance, Bulletin No. 66, Federal Board for Vocational Education, Washington, D. C.

Braddy, Young Folk's Encyclopedia of Etiquette, Doubleday Page.

The Home Project, Its Use in Home Making Education, Federal Board for Vocational Education, Washington, D. C.

Ray and Ferguson, The Day Continuation School at Work, Longmans Green Co.

Industrial Subjects

United States Census, Bureau of the Census, Department of Commerce, Washington, D. C.

Trade and Industrial Education for Girls and Women, Bulletin No. 58, Federal Board for Vocational Education, Washington, D. C.

The Boot and Shoe Industry in Massachusetts as a Vocation for Women, Department of Labor, Bureau of Labor Statistics, Washington, D. C. A Survey and Analysis of the Pottery Industry, Federal Board for

Vocational Education, Washington, D. C.

Artificial Flower Makers, Mary Van Kleeck, Russel Sage Foundation Survey Association.

Dressmaking as a Trade for Women, Bulletin No. 193, U. S. Bureau of Labor Statistics, Washington, D. C.

Garment Making Industries, Cleo Murtland, Chamber of Commerce,

Cincinnati, Ohio.
Millinery as a Trade for Women, H. Perry, Longmans Green and Co.,
New York City.

Vocations, for Girls, LaSalle and Wiley, Houghton Mifflin and Co.

Women in the Bookbinding Trade, Mary Van Kleeck, Russel Sage Foundation.

Elementary Industrial Arts, L. L. Winslow, Macmillan

The Instructor, The Man and The Job, C. R. Allen, Lippincott.

Prevocational Education in the Public Schools, Leavitt and Brown, Houghton, Mifflin and Co.

Industrial Opportunities and Training for Women and Girls, Bulletin No. 13 Women's Bureau, United States Department of Labor, Washington, D. C.

Frudlow, The Young Wage Earner, Sedgwich and Jackson, London, Eng. Trade Foundations, Rodgers, Guy M. Jones Co., Indianapolis, Ind.



